### COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

SOUTH	CENTRAL	BELL	TELEPHONE	COMPANY	) ) ) CASE	E NO.	89-129
	ED FAILUI		COMPLY SULATIONS		) }		

#### ORDER

South Central Bell Telephone Company ("SCB"), which engages in the transmission over wire of messages by telephone for the public, is a utility under the jurisdiction of this Commission.

KRS 278.280(2) directs the Commission to prescribe rules for the performance of services by a utility. Commission Regulation 807 KAR 5:061, Section 2, requires utilities engaged in the transmission over wire of messages by telephone to maintain their plant and facilities in accordance with the standards of the National Electric Safety Code (1981 edition).

On April 5, 1989, the Commission Staff submitted to the Commission a Utility Accident Investigation Report attached hereto as Appendix A, which states that:

1. On March 17, 1989, in the 400 block of North 25th Street in Louisville, Kentucky, Elizabeth Sachleben was struck by a telephone service drop, which is owned and maintained by SCB, and was seriously injured. Shortly before Ms. Sachleben was struck, a large truck travelling on North 25th Street struck the telephone

service drop and pulled it from its mounting. An automobile travelling south on 25th Street then struck the lowered service drop, causing it to snap and strike Ms. Sachleben.

- 2. At the time of the accident, the telephone service drop failed to meet the minimum vertical clearance standards for above ground wires and conductors as established by National Electric Safety Code Rule 232A.
- 3. When SCB repaired and reinstalled the telephone service drop, its installation failed to comply with the minimum vertical clearance standards of National Electric Safety Code Rule 232A. The telephone service drop still fails to meet these standards.
- 4. SCB violated, and continues to violate, Commission Regulation 807 KAR 5:061, Section 2, by failing to comply with the standards of the National Electric Safety Code.

WHEREFORE, the Commission, on its own motion, hereby ORDERS that:

- 1. SCB shall submit to the Commission a written response to the allegations contained in the Utility Accident Investigation Report within 20 days of the date of this Order. SCB shall include in its response a detailed report of its efforts to ensure that all telephone service drops within its system comply with the minimum vertical clearance standards of the National Electric Safety Code.
- 2. SCB shall appear at an informal conference on July 19, 1989, at 10:00 a.m., Eastern Daylight Time, in the Commission's offices at Frankfort, Kentucky, for the purposes of discussing the incident which is the subject of the Utility Accident Investigation Report, specifically the alleged violation of 807 KAR 5:061,

Section 2, and whether SCB should be subject to the penalties of KRS 278.990 for its failure to comply with Commission regulations. Failing a resolution of this matter, SCB may request a hearing.

3. The Utility Accident Investigation Report dated April 5, 1989 is hereby made a part of the record of this case.

Done at Frankfort, Kentucky, this 25th day of May, 1989.

Chairman

Vice Chairman

Vice Chairman

ATTEST:

#### MEMORANDUM

TO:

Claude G. Rhorer, Jr., Director

Division of Engineering and Services

THRU:

J. Wayne Bates, Manager

Communications and Electric Branch

FROM:

James R. Johnson O. St. Utility Investigator, Sr. Communications Branch

DATE:

April 5, 1989

SUBJECT: Accident Report -- South Central Bell

Attached please find the report of the March 17, 1989, accident in which Ms. Elizabeth Sachleben was injured.

JRJ:jsb

Attachments:

1. Accident Report

2. SCB Report

3. Louisville Police Department Reports

4. Copy N.E.S.C. Table 232-1 5. Photographs

#### UTILITY ACCIDENT INVESTIGATION

DATE OF THIS REPOR	T April 5, 1989	SUBMITTED BY James R	. Johnson
NAME OF UTILITY _S	outh Central Bell		
ACCIDENT REPORTED	BY Beth Ice	·	
DATE & TIME UTILIT	Y LEARNED OF ACCIDE	March 17, 1989 4:	00 P.M.
DATE & TIME ACCIDE	NT REPORTED March	18, 1989 10:00 A.M.	
DATE AND TIME ACCI	DENT OCCURRED March	17, 1989 approximate	ly 2:00 P.M.
DATE OF ACCIDENT I	NVESTIGATION March	30, 1989	
DATE SUMMARY WRITE	en report was receiv	TED FROM UTILITY Marc	h 24, 1989
PERSONS ASSISTING	IN THE INVESTIGATION	Beth Ice, Arvin Jef	fers and
Richard Paris (SC	B).		
NAME OF VICTIM(S)	1. Ms. Elizabeth	Sachleben SEX F	AGE 82
PATAL No	NAME OF EMPLOYER:	None	
INJURIES Brok	en leg, head lacera	tions and possible bro	
bone.			
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		SEX	
injuries	·	···	
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	3.	SEX	AGE
PATAL			
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#### UTILITY ACCIDENT INVESTIGATION (Continued)

LOCATION OF ACCIDENT SITE 422 N. 25th Street, Louisville, Kentucky. DESCRIPTION OF ACCIDENT A large unknown truck hit dropwire crossing N. 25th Street pulling it away from 422 N. 25th Street. Ms. Sachleben came out of her house to see what happened. An unknown car traveling south hit the low dropwire causing it to strike Ms. Ruby Pauline Nixon and Ms. Sachleben pulling Ms. Sachleben to the ground causing her to strike the retaining wall along the sidewalk and her driveway. See photograph No. 4. SOURCE OF INFORMATION \_Mr.\_Richard\_C. Paris, SCB Security Department ' and Mr. Arvin Jeffries Mgr. Installation and Maintenance. VIOLATIONS OF COMMISSION REGULATIONS Yes, 807 KAR 5:061, Section 2(1), in that South Central Bell's dropwire to 422 N. 25th Street did not meet National Electric Safety Code (1981 Edition, Table 232-1). Attachment point on house measured 16 ft. 7 in. See photo No. 1. Midspan attachment point measured 15 ft. 2 in. See photo No. 3. Minimum N.E.S.C. requirements, 18 ft. center of road; 16 ft. at side of the road. Also the telephone dropwire had to pass under the electric service drop to 424 N. 25th Street which measured 16 ft. 2 in. at side of the street. Normal SCB practice call for a minimum 12 in. clearance between electric and telephone drops. Therefore, the height of the dropwire in front of 422 N. 25th Street could not have been higher than 15 ft. 2 in. at the curb nor higher than 15 ft. 2 in. in the center of the street.

RECOMMENDATIONS It is recommended that South Central Bell rework the
existing drop to 422 N. 25th Street to bring it into compliance with
the N.E.S.C. requirement of 18 ft. Also, it is recommended the
Commission consider action pursuant to KRS 278.990.
CORRECTIVE ACTION Drop repaired March 17, 1989. March 30, 1989, mea-
surements of repaired drop Westside curb 16 ft. 7 in. Center of
N. 25th Street. 17 ft. 4 in.
<del>,</del>

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#### LINE CLEARANCES

		As Measured	Hinimum Allowed by NESC
A.	AT POINT OF ACCIDENT		
	Phase conductor to ground elevation:	N/A	N/A
	Neutral conductor to ground elevation:	N/A	N/A
	Communication conductor to ground elevation:	Unknown	18 ft.
	Phase conductor to structure:	N/A	N/A
	Neutral conductor to structure:	N/A	N/A
	Communication conductor to structure:	N/A	N/A
в.	AT LOWEST POINT OF SPAN		
	Phase conductor to ground elevation:	N/A	N/A
	Neutral conductor to ground elevation:	N/A	N/A
	Communication conductor to ground elevation:	Unknown	18 ft.
c.	SPAN LENGTH Approximately 55 f		
Dat	e the line or facilities were con	structed: Drop	re-routed 2/2/89
Oti	lity: South Central Hell Teleph	one Company	
Dat	e: March 30, 1989 Ti	me 10:45 A.M.	<del></del>
App	roximate temperature: 65 degree	8	
Mea	surements made by: James R. Joh	inson	<del></del>
		Submitted by:	Jane Bonor
	Page 4	1 of 4	

#### (SOUTH CENTRAL BELL REPORT)

# PUBLIC SERVICE COMMISSION REPORTING OF ACCIDENTS INVOLVING DEATH, SERIOUS INJURY OR MAJOR SERVICE DISRUPTION

Date:March 17, 1989	Time:	approximately 2:0	0 p.m.
Location of Accident: 422 N	. 25th Street Lou	isville. KY 🙎	ECEIVED
Employee(s) Name:			
Non-employee(s) Name: <u>Elizabeth</u>	Sachleben		31:11:11:11:11:11:11:11:11:11:11:11:11:1
Age: 82		<u>.</u>	
Residence Address: 422 N. 25th	Street Louisville	e, KY	······································
Nature of Injury & Accident:	osoken leg, head la	ceration and poss	ble broken
collar bone			
Nature of Property Damage & Acc	ident: large tru	ck hit and pulled	drop wire from
protector on house			<del></del>
Effect on Normal Service:	•		
Information Received From: Rich	ard Paris (Name)	3/18/89 (Date)	9:30 a.m. (Time)
Notify During Working Hours:	,	(2000)	(12110)
J. A. McCabe - 582-8316; C. C.	Braswell - 582-	8415	
After Hours:	_		
J. A. McCabe - 426-5522; C. C.	Braswell - 456-	5777	
Mr. Braswell's office then	promptly notif	ies PSC -	
Notify PSC. 8:00 a.m 4:30 p.	m. Monday - Fr	<u>iday</u>	
Jim Johnson - 1-564-7473, Wayne	Bates - 1-564-	7446, Mr. Skagi	<b>s - 1-564-2473</b>
After Hours:	•	;eq:	
Jim Johnson - 1-223-0368, Tayne B	ates - 1-606-873-	-9 <b>87</b> 1, Mr. Skagg	<b>s - 1-606-</b> 278-920
NOTIFIED: Jim Johnson		3/18/89	approx. 10:00 a.m.

(Date)

(Time)

(Name)

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#### Footsetes for Table 222-1.

DWhere subways, tunnels, or bridges require it, less clearances above ground or rails than required by Table 232-1 may be used locally. The trolley and electrified railroad contact conductor should be graded very gradually from the regular construction down to the reduced elevation.

For wire, conductors, or cables crossing over mine, logging, and similar railways which handle only cars lower than standard freight cars, the clearance may be reduced by an amount equal to the difference in height between the highest loaded car handled and 20 ft, but the clearances shall not be reduced below that required for street crossings.

These clearances may be reduced to 25 ft where paralleled by trelley-contact conductor on the same street or highway.

O'In communities where 21 ft has been established, this cleames may be continued if carefully make tained. The division of the contact conductor should be the same in the crossing and next adjacent spans. (See Rule 280D2 for conditions which must be met where uniform height above rail is impractical.)

The communities where 16 ft has been established for trolley side electrified railroad contact conductors 0 to 750 V to ground, or 18 ft for trilley and electrified railroad conductors canading 750 V, or

where local conditions make it imprectical to obtain the clearance given in the table, these reduced elean ances may be used if carefully maintained.

Fif a communication service drop or a gay, which is effectively grounded or is insulated against the highest voltage to which it is exposed, up to 8.7 kV, crosses residential streets and roads, the electrons may be reduced to 16 ft at the side of the traveled way, by vided the electronse at the center of the traveled way, is at least 18.ft. This reduction in clearance does not apply to arrorini streets and highways which are primarity, for through traffic, usually on a continuous route.

This elearance may be reduced to the following

(a) For insulated communication condectors and communication cables

(b) For conductors of other communication circuits
(c) For guys
(d) For supply collections

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(d) For supply cables meeting Rule \$86C1

Pootnotes for Tubic \$29.1 Continued on pages 146-146

This clearance may be reduced to the following

(a) Supply conductors limited to 300 V to ground if more than 25 ft measured in any direction from a swimming pool, swimming area, or diving platform

(b) Drip loops of supply conductors limited to 150 V to ground and meeting Rules 280C3 or 280C3 and located at the electric service entrance to buildings.

DSpaces and ways accessible to pedestrians only are areas where vehicular traffic is not normally encountered or not reasonably anticipated.

Where a supply or communication line along a road is located relative to fences, ditches, embankments, etc., so that the ground under the line would not be expected to be traveled except by pedestrians, this clearance may be reduced to the following values:

[cet

(a) Insulated communication conductor and communication cables .

(b) Conductors of other communication.

cipulits
(c) Signify canies of any voltage meeting
Rule 230C" and supply cables limited to 150 V to ground meeting
Rules 230C2 or 230C3

(d) Supply conductors limited to 300 V to ground

(e) Guys

The clearance from ground is required for anchor guys and crossing track rails, streets, driveways, roads, or pathways.

This electance may be reduced to 18 ft for communication conductors.

(DWhese communication wires or cables or supply cables meeting Rule 230C1 cross over or run along alleys, driveways, or parking lots, this elearance may be reduced to 15 ft for spans limited to 150 ft.

(3) Where supply circuits of \$00 V or less, with trassmitted power of 5000 W or less, are run along fenced (or otherwise guarded) private rights-of-way is accordance with the provisions specified in Rule 22082, this clearly may be reduced to 10 ft.

The value may be reduced to 25 ft for guys, for cables carried on messengers, and for supply cables meeting Rule 230Cl. This value may be reduced to 25 ft for conductors effectively grounded throughout-their length and associated with supply circuits of 0 to their length and associated with supply circuits of 0 to 22 kV, only if such conductors are stranded, are of correction resistant material, and conform to the strength and tension requirements for messengers given in Rule 2611.

(Continued on page 144)

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<u>.</u>

Table 232-1. Minimum Vertical Clearance of Wires, Conductors, and Cables Above Ground, Ralis, or Water (Voltages are phase to ground for effectively grounded circuits and those other circuits where all ground faults are cleared by promptly de-energizing the faulted section, both initially and following subsequent breaker operations. See the definition section for voltages of other systems.)

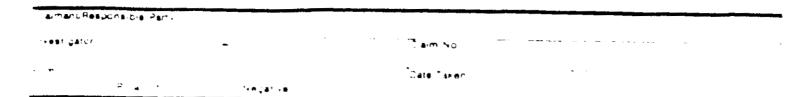
			Communication conductors and cobles, guys, messengers, surge protection	Supply line conductors conductors, and se	, street ligi	iting	Trolley triffed contact o	
		Nature of	wires, neutral conductors meet- ing Rule 23021.	Open supply line conductors 0 to 750 V.	Open su line cond		elen de s elen de s	= O
142		surface under- neath wires,- conductors, or cables	and supply cables meeting Rule 230 C1 QD (ft)	Supply cables of all voltages meeting Rule 230C2 or 230C3 (ft)	750 V	16 to 50 kV (ft)	0 to 750 V to ground:	780 V to- 50 EV to ground (1)
			Where wires, condu	etors, or cables cross ove	e or overh	IM.		
	•	1. Track rails of railroads (except electrified railroads using over-head trolley econductors) DOD E Roads, streets, alleys; noarcaideatal driveways,	<b>917</b>	. <b>D</b> 27	<b>D</b> 28	30	<b>©22</b>	<b>0</b> 22
		parking lots, and other areas subject to truck traffic (D) (D).  3. Residential driveways; co		18	20	22	<b>©</b> 16	Q se
		areas not subject to truck tr	effic CD CD 10	<b>O</b> 15	20	22	<b>O</b> 18	- 484
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		÷ , ,		4			•	
		4. Other land traversed by vauch as cultivated, grazing,	Cornet.	<u> </u>			· · · · · ·	
	•	orchard, etc 5. Spaces or ways accessible	18	18	120	22		
		pedestrians only (1)  6. Water areas not exitable :	<b>U</b> 15	<b>©(3)</b> 15	15	17	10	
		boating or where sailboating prohibited (1)  7. Water areas suitable for a	15	15	17	17	<del>-</del>	
	t	including lakes, ponds, rece tidal waters, rivers, etreams, canals with an unobstructed area of: (D)(D)(D)	rrotra,		•			
143		(a) Less than 20 acres (b) 20 to 200 acres (c) 200 to 2000 acres (d) Over 2000 acres	18 26 32 38	18 26 32 38	20 28 34 40	30 3 <b>6</b>	. =	
	1	8. Public or private land an areas posted for rigging or lasilboats	sunching th	learance shove ground sh tan in 7 above, for the ty served by the Isun	pe of wate ching site	1 87005		-2.00
		Wh high	ere wires, conductor ways or other road	rs, or cables run along in rights-of-way but do not	d within the overhang t	e limits o he roadw	of ay	
		9. Roeds, streets, or alleyed in urban districts	- OO 10	16	20	22	<b>D</b> 18	<b>320</b> -
	ł	10. Roads in rural districts where it is unlikely that vehicles will be crossing under the line	<b>@@</b> 14	<b>©</b> 15		20	<b>9</b> 18	
		AND THE HIST			18	20	<b>411</b>	<u> </u>

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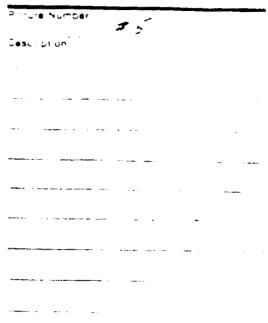
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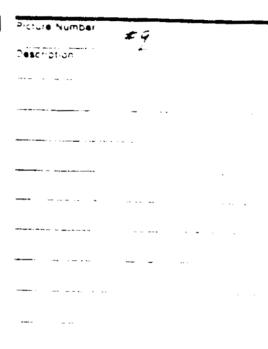
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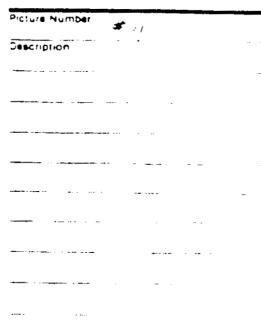




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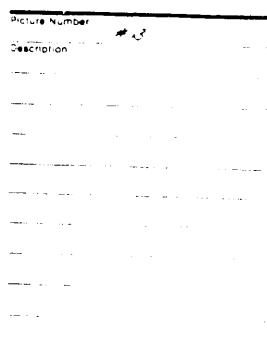


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